

OCT 04 2007



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## CENTRAL LOCATION

### FACSIMILE COVER SHEET

**Examiner:** Ayal I. Sharon

**Group:** 2123

**Date:** October 4, 2007

**Client Code:** 1086

**Facsimile No.:** 571-273-8300

**From:** Jean-Paul Cass, Esq.  
Registration No.: 46,605

**Subject:** Response to Final Office Action Dated September 6, 2007

**Docket No.:** 1086.2002-001

**Applicants:** Paul Turner, John P. Guiver, Brian Lines and S Steven Treiber

**Application No.:** 09/892,586

**Filing Date:** June 27, 2001

Number of pages including this cover sheet: 39

Please confirm receipt of facsimile: Yes ☒ No ☐

**Comments:**

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757922\_1  
SGLG/MLW/JPC/ml  
October 1, 2007

PATENT APPLICATION  
DOCKET NO. 1086.2002-001  
Expedited Procedure under 37 C.F.R. 1.116  
Examining Group 2123

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Paul Turner, John P. Guiver, Brian Lines and S. Steven Treib

Application No.: 09/892,586

Group: 2123

OCT 04 2007

Filed: June 27, 2001

Examiner: Ayal I. Sharon

Confirmation No.: 2279

For: COMPUTER METHOD AND APPARATUS FOR CONSTRAINING A  
NON LINEAR APPROXIMATOR OF AN EMPIRICAL PROCESS

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| October 4, 2007   | Marianne Lentini |
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| Marianne Lentini  |                  |
| Typed or printed name of person signing certificate   |                  |

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Response to Final Office Action for filing in the above-identified application.

- ☐ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a Small Entity Statement previously submitted.
- ☐ A Small Entity Statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.

09/892,586

-2-

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The claims fee has been calculated as shown below:

|   |                                  |       |                                |               | SMALL ENTITY |           | OTHER THAN SMALL ENTITY |              |           |
|---|----------------------------------|-------|--------------------------------|---------------|--------------|-----------|-------------------------|--------------|-----------|
|   | CLAIMS REMAINING AFTER AMENDMENT |       | HIGHEST NO PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE         | ADDIT FEE | OR                      | RATE         | ADDIT FEE |
| TOTAL   | 64                               | MINUS | * 64                           | 0             | X \$25       | \$        |                         | X 50         | \$        |
| INDEP   | 22                               | MINUS | ** 22                          | 0             | X \$105      | \$        |                         | X \$210      | \$        |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP CLAIM |                                  |       |                                |               | + \$185      | \$        |                         | + \$370      | \$        |
|   |                                  |       |                                |               | TOTAL = \$ 0 |           |                         | TOTAL = \$ 0 |           |

\* not fewer than 20  
\*\* not fewer than 3

The Application Size Fee has been calculated as shown below:  
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|---|---|--|--------------|-------------------|-------------------------|-------------------|--|
|   |   |  | Rate         | Total Amount Owed | Rate                    | Total Amount Owed |  |
|   |   |  | X \$130      | \$[ ]             | X \$260                 | \$[ ]             |  |

#### Petition for Extension of Time

- ☐ Applicant hereby petitions to extend the time to respond to the [ ] dated [ ] for [ ] month(s) from [ ] to [ ]. The appropriate fee is set forth below.
- ☐ [For action-specific language in an extension of time, select the appropriate option from the Firm Templates]



754863.1  
MLW/SGLG/JPC  
October 4, 2007

PATENT APPLICATION  
Attorney's Docket No.: 1086 2002-001  
Expedited Procedure under 37 C.F.R. § 1.116

Examined  
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THE UNITED STATES PATENT AND TRADEMARK OFFICE **OCT 04 2007**

Applicants: Paul Turner, John P. Guiver, Brian Lines and S. Steven Treiber

Application No.: 09/892,586 Group: 2123

Filed: June 27, 2001 Examiner: Ayal I. Sharon

Confirmation No.: 2279

For: COMPUTER METHOD AND APPARATUS FOR CONSTRAINING A NON-LINEAR  
APPROXIMATOR OF AN EMPIRICAL PROCESS

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| <i>Marianne Lenti ni</i>   |                          |
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RESPONSE TO FINAL OFFICE ACTION DATED SEPTEMBER 6, 2007

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P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Reply is being filed in response to the final Office Action mailed from the U.S. Patent and Trademark Office on September 6, 2007 in the above-identified application. Reconsideration and further examination are requested.

Please amend the application as follows: